

RESEARCH ACTIVITIES

Month : December 2020

Department of Plastic surgery

Dr. Suresh Kumar Malani, Prof. & HOD, Cardiology informed that the first Head up Tilt test done on 10th December 2020 at the Cardiology Department for Recurrent unexplained syncope. Diagnosis confirmed by positive test.

Department of Neurosurgery

- An article has been published by the Department of Neurosurgery in “The Egyptian Spine Journal” which is an International peer reviewed indexed journal(DOAJ, Pubmed, Google Scholar).The article details are “Gotecha Sarang, Raghu Vaibhav, Punia, Chugh Ashish, Chhabra Shobhut, Kashyap Dushyant, Patil Anil, Kotecha Megha. Primary solitary fibrous extradural tumour of thoracic spine; a case report. The Egyptian Spine Journal 2020;34:69-75”
- A review article has been published by the Department of Neurosurgery in “Open Access Journal of Neurology and Neurosurgery” which is an International peer reviewed indexed journal(Index Copernicus, Google scholar).The review article details are “Punia Prashant, Chugh Ashish, Gotecha Sarang, Shinde Vinod. “Sphenoid Wall Dehiscence: A Preventable Cause of Iatrogenic Internal Carotid Artery Rupture” Open Access J Neurol Neurosurg 14(2): OAJNN.MS.ID.555885 (2020)

Department of Respiratory Medicine

An original article published in Journal of Dental Research and Review 2020 : 07 (02), titled “Algal Biomass Pellets as a Possible Remedy to reduce indoor air pollution from Cookstoves in Rural Pune” by Bhoomika M., Karamchandani, Neeta G. Wagle, Sagrikar Chugh, Tushar Sahasrabudhe, Abul Mandal, Cecillia Eriksson, Neelu N. Nawani.

An ‘letter ‘ published in International journal tuberculosis lung disease:2020: 24(12), titled “TB and Women : a call to action” by Dr Sachin **Atre et all**

Department of ENT

Dr. Aastha Bhatnagar, JR *II* presented e poster and won first prize at Webinar “OTOFRONT 2020” organized by team ENT Pune and Command Hospital (SC), AFMC, Pune from 4th to 6th December 2020.

Department of Orthopaedics

Research Publication:

Clevio Desouza, Abhinay Vadlamudi and Amit Kale “Functional outcome of conservative treatment of acutetype 3 Acromioclavicular joint dislocation”. International Journal of Orthopaedics Sciences 2020; 6(4):835-837.

Paper Published - Case Report

Clevio Desouza, Chiranjivi Jani and Amit Kale “Elbow dislocation with coronoid and ipsilateral distal radius fracture.” International Journal of Case Reports in Orthopaedics Dec.2020;2(2):72-74

Department of Microbiology

- Dr. Shahzad Mirza Assistant Professor has presented oral presentation titled “Hi-Touch areas: A source of infection? (Hi-Touch areas: A source of infection?)” at the First Virtual Annual Congress of Indian Association of Medical Microbiologists E-MICROCON 2020 held on 8th to 11th December 2020 Surging Ahead with Clinical Microbiology in Current Challenging Scenario
- Dr. Shahzad Mirza, Assistant Professor has presented E-Paper on the topic titled “Healthcare Associated Infections” at the First Virtual Annual Congress of Indian Association of Medical Microbiologists E-MICROCON 2020 held on 9th to 11th December 2020 Surging Ahead with Clinical Microbiology in Current Challenging Scenario
- Dr. Sahjid Mukhida, JR I has presented Poster titled “Relevance of Non Candida albicans spp. in urine and should they be reconsidered as pathogens causing CAUTI in symptomatic ICU patients” at the First Virtual Annual Congress of Indian Association of Medical Microbiologists E-MICROCON 2020 held on 8th to 11th December 2020 Surging Ahead with Clinical Microbiology in Current Challenging Scenario
- Dr. Shalini Bhaumik JR I has presented Poster titled “Role of Bacterial colonization in Tracheal Secretions among intensive Care Unit Patients” at the First Virtual Annual Congress of Indian Association of Medical Microbiologists E-MICROCON 2020 held on 8th to 11th December 2020 Surging Ahead with Clinical Microbiology in Current Challenging Scenario
- Dr. Sriram Kannuri, JR I has presented oral presentation titled “Can GeneXpert by itself take the diagnostic burden alone?” at the First Virtual Annual Congress of Indian Association of Medical Microbiologists E-MICROCON 2020 held on 8th to 11th December 2020 Surging Ahead with Clinical Microbiology in Current Challenging Scenario
- Dr. Shalini Bhaumik, JR I has Participated in the CME Workshop on “WHO-IAMM Workshop on AMR Surveillance Tools and WHONET” hosted by Maulana Azad Medical College, New Delhi at the First Virtual Annual Congress of Indian Association of Medical Microbiologists E-MICROCON 2020 held on 8th December 2020 Surging Ahead with Clinical Microbiology in Current Challenging Scenario
- Dr. Sahjid Mukhida, JR I has Participated in the CME Workshop on “Diagnosis of Mycobacterial Infections: What’s New and What’s to Know!” hosted by SMS Medical College, Jaipur at the First Virtual Annual Congress of Indian Association of Medical Microbiologists E-MICROCON 2020 held on 8th December 2020 Surging Ahead with Clinical Microbiology in Current Challenging Scenario
- Dr. Sameena Khan, Assistant Professor has successfully completed the “MO-ICTC Induction Course” online course organized by the National AIDS Control Organization (NACO), New Delhi under its Blended Clinical Training Project on 11th of December 2020.

- Following Junior Residents-I have successfully completed the e-learning, online course on “Viral Hepatitis and COVID-19” under project PRAKASH, ILBS Conducted at Institute of Liver and Biliary Sciences, New Delhi on 1st to 2nd December 2020
 - 1) *Dr. Sriram Kannuri -JR I*
 - 2) *Dr. Sahjid Mukhida -JR I*
- Following Faculties and JR I have successfully participated in the CME Workshop “Diagnostic Challenges and Complications in Post Covid-19 Infections”, hosted by Sir Ganga Ram Hospital, New Delhi at the First Virtual Annual Congress of Indian Association of Medical Microbiologists E-MICROCON 2020 held on 8th December 2020 Surging Ahead with Clinical Microbiology in Current Challenging Scenario
 - 1) *Dr. Shahzad Mirza -Assistant professor*
 - 2) *Dr. Swarupa Hatolkar -Assistant professor*
 - 3) *Dr. Sriram Kannuri -JR I*
- Following Faculties and JR I have successfully participated as a Delegates in the “First Virtual Annual Congress of Indian Association of Medical Microbiologists E-MICROCON 2020” held on 8th to 11th December 2020 Surging Ahead with Clinical Microbiology in Current Challenging Scenario
 - 1) *Dr. Shahzad Mirza -Assistant professor*
 - 2) *Dr. Swarupa Hatolkar -Assistant professor*
 - 3) *Dr. Sriram Kannuri -JR I*
 - 4) *Dr. Shalini Bhaumik -JR I*
 - 5) *Dr. Sahjid Mukhida -JR I*

Department of Ophthalmology

Six poster presentation by Faculty and Residents have been selected for India International Science Festival 2020 Health Research conclave 23rd December 2020, details as below.

Sr. No	Title of paper	Presented by
1	Ocular trauma cases due to household injury reporting to tertiary care hospital during lockdown period due To Novel Corona Virus.”	Dr. SonalErole
2	“Etiological factors and microbiological characteristics of infectious keratitis of western Maharashtra”	Dr. Madhuvanathi Mohan
3	“Devics disease”	Dr. Kavitha Mohankumar
4	“A rare case of bacillus cereus keratitis”	Dr. Namratha Cardoza
5	“Vitelliform macular dystrophy (Best Disease)”	Dr. Aakriti Sharma
6	“An interesting case of girl with stars in her eye; “stargardt’s disease”	Dr. Apeksha Raghunath

Department of Forensic Medicine

Dr. S. D. Gaiwale Associate Professor actively participated as a delegate in the following Online International Conference/Workshop 2020.

Sr. No.	Name of Faculty	Designation	Programme
1	Dr. S. D. Gaiwale	Associate Professor	1) International Virtual Workshop of Health Law in COVID-19 Pandemic held in Marmara University, Turkey. 2) International Webilogue on “Covid-19 Pandemic vis-à-

			vis Current Forensic Toxicology Practice” Delhi.
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Department of Emergency Medicine

Dr. Arjun H. M., Junior Resident-2, attended TOXOCN-14, 14th Annual National Conference of the Indian Society of Toxicology (Zoom Webinar) on 21-22-2020 held at Amrita Institute of Medical Sciences, Cochin, Kerala, Presented and defended the poster in front of an esteemed panel of Toxicologists of National and International repute. Has won the first place and has been conferred the “Dr. Andre Award” for “Best E-presentation” on the topic “Surviving Serpentine Sufferings”.

Department of Anesthesiology

Winners of Final Cricket Match of DPL 2020 (Women Doctors Premiere League) are Dr. Sarika Lonkar, Consultant Faculty and Dr. Anagha Patil, Sr. Resident.

Department of Community Medicine

Dr. Amitav Banerjee Prof and Head, Dr. Hetal Rathod Prof. & Dr. Kajal Srivastav, Asso. Prof., has participated as Resource Faculty in the “Basic Workshop in Research Methodology” organized by Dr. D. Y. Patil Homoeopathic Medical College & Research Centre, Pimpri, Pune on 9th & 10th Nov. 2020.

Department of Anatomy

Dr. Pallavi Bajpayee, Assistant Professor has attended the Curriculum implementation support programme II (Online) held from 19th to 20th August 2020, at the MCI Regional Centre, Armed Forces Medical College, Pune.

Department of Central Research Facility

1. Dr. Chandrashekhar Raut:

(i) DBT-Ministry of Science & Technology (MoST) approved nomination as a member of IBSC of Preclinical Research and Development Organization (PRADO), Pune.

(ii) Invitation received from Lupin Research Park, Lupin Pharma, Pune to be a Chairman of their IAEC, CPCSEA.

2. COVID-19 Testing by RT-PCR (TRUPCR SARS-CoV-2 RT-PCR Kit):

- Total Samples Tested- 244
- Total Positive - 07
- Total Negative - 237
- Percent Positivity - 2.86%.

Sr. No.	RT - PCR	Total samples:244	Percentage
1	Asymptomatic	155	63.26
Symptomatic: 89 36.74			
1	Cough	26	10.61
2	Fever	17	6.93
3	Sore Throat	12	4.89
4	Breathlessness	14	5.71
5	Vomiting	4	1.63

6	Chest Pain	6	2.44
7	Sputum	3	1.22
8	Diarrhoea	11	4.48
9	Diabetes	9	3.67
10	Chronic Lung Disease	2	0.81
11	Heart Disease	5	2.04

Rapid Antigen Test:

Total Samples Tested- 24

- Total Positive- 00
- Total Negative- 24
- Percent Positivity- 0 %.

3. Cell Culture Lab:

As we have standardized MTT assay in order to check the Cytotoxicity of drugs in their preclinical stage, now we can take industrial projects.

Dr. Chandrashekhar Raut, Director, Interdisciplinary Research

(1) Dr. Chandrashekhar Raut : Presented papers in National Conference E-MICROCON 2020 organized by Indian Association of Medical Microbiologists:

- COVID-19 testing laboratory: Establishment and operation aiming topmost biosafety, quality standards and timeliness at Dr. DY Patil Medical College, Pimpri, Pune, *Authors:* Raut Chandrashekhar, Bhawalkar J.S., Hatolkar Swarupa, Mirza S.B., Misra R.N.
- Standardization of genome isolation from cell culture towards cell line characterization as a quality control and authentication, *Authors:* Shreedhar Chougule, Anuska Salvi, Veronica Dhillpe, Chandrashekhar Raut, JS Bhawalkar

(2) COVID-19 Testing by RT-PCR (TRUPCR SARS-CoV-2 RT-PCR Kit):

- Total Samples Tested- 283
- Total Positive- 19
- Total Negative- 262
- Percent Positivity- 6.71%.

Rapid Antigen Test:

- Total Samples Tested- 40
- Total Positive- 00
- Total Negative- 40
- Percent Positivity- 0 %.

(3) Cell Culture Lab: (i) Standardization of MTT assay in order to check the Cytotoxicity of drugs in their preclinical stage.

(ii) Standardization of Mycoplasma as quality control of cell lines.
